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Research Note

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

INTERMOUNTAIN FOREST & RANGE EXPERIMENT STATION
OGDEN UTAH

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BAR TYPE MICROMETER WEDGE

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Patterned after the dot and line type micrometer wedges[1] used by foresters in measuring crown diameters, the bar type wedge allows precise measurement of very short distances on contact prints. This wedge (fig. 1) is printed on heavy film and consists of a series of parallel lines each 0.0002-foot longer than the preceding one.

The bar wedge was recently designed at the Intermountain Forest and Range Experiment Station for use in measuring stream width in connection with a recreational inventory. The wedge is used under one eyepiece of the lens stereoscope while aerial photos are viewed stereoscopically. Measurements are converted to ground distance by a factor equal to:

$$\frac{\text{Photo-scale reciprocal}}{10{,}000}$$

For example, on 1:10,000-scale photographs, consecutive parallel lines differ in length by 2 feet.

Bar type wedges are printed 3 per 8- by 10-inch film, and can be ordered through REGIONAL FORESTER, INTERMOUNTAIN REGION, U.S. FOREST SERVICE, OGDEN, UTAH.

State and Federal agencies, including colleges and universities, may order these by official purchase order and be billed for the cost.

Private individuals and firms should enclose a check or money order with their order, payable to: FOREST SERVICE, U.S.D.A.

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[1] American Society of Photogrammetry. Manual of photo interpretation, pp. 462-463. 1960.

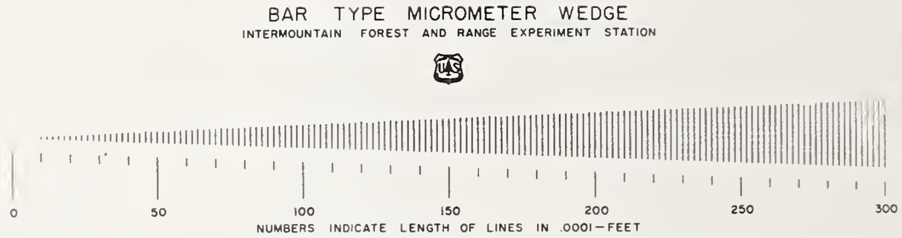
BAR TYPE MICROMETER WEDGE
INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION
0
50
100
150
200
250
300
NUMBERS INDICATE LENGTH OF LINES IN .0001—FEET

Figure 1.--Bar type micrometer wedge.